Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2015-16/

Date: 03-02-2016

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains at Sahakaranagara and Tatanagara Area in Ward No.08}

Ref.: Letter No. Testing/BUB/2015-16 dated 01-02-2016

Sample supplied to lab by: Sri.P.Vijaya Babu, Contractor, Bangalore.

Report required for: Assistant Executive Engineer,
Kodigehalli Sub-Division.
BBMP, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**96.00**	95-100
26.50	**---**	-
22.40	**75.00**	60-80
11.20	**46.00**	40-60
4.75	**37.50**	25-40
2.36	**23.00**	15-30
0.600	**18.50**	8-22
0.075	**5.00**	0-8

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**25.10%**	Not more than 30 %
2	Impact Value	----,,----	**26.40 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

Verified

3/2/16

Dr. MANIESH .L
ME(Civil Engg.) Ph.D. MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus,
BANGALORE 560 056.
E-mail maniesh1@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 03-02-2016

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.10%**	Not more than 30 %
2	Impact Value	----,,----	**25.30%**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

DEPARTMENT OF CIVIL ENGINEERING * BANGALORE UNIVERSITY

Dr. MANJESH .L
ME(Civil Engg.) Ph.D., MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University, Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: manjeshl@yahoo.com

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BANGALORE UNIVERSITY
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Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2015-16/ Date: 10-02-2016

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements to roads and drains at Sahakaranagara and Tatanagara Area in Ward No.08}

Ref.: Letter No. Testing/BUB/2015-16 dated 08-02-2016

Sample supplied to lab by: Sri.P.Vijaya Babu, Contractor, Bangalore.

Report required for: Assistant Executive Engineer,
Kodigehalli Sub-Division.
BBMP, Bangalore.

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.10%**
2. **Gradation Test** :

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**95.00**	90—100
4.75	**46.00**	35—51
2.36	**35.20**	24—39
1.18	**23.00**	15—30
0.3	**18.00**	09—19
0.075	**5.00**	03—08

AE-8

* As furnished by Client.
The Results relate only to the items tested.

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Campus
BANGALORE UNIVERSITY
Bangalore-560 056.

Dr. MANIESH .L
ME(Civil Engg.) Ph.D. MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: maniesnl@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 10-02-2016

TABLE 1 2 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.10%**	Not more than 30 %
2	Impact Value	----,,----	**25.30 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.40%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**97.30 %**	Minimum retained coating 95.0 %

*As Furnished by Client

The Results relate only to the items tested.

DEPARTMENT OF CIVIL ENGINEERING * BANGALORE UNIVERSITY

Dr. MANJESH .L
ME(Civil Engg.) Ph.D., MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University, Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: manjeshl@yahoo.com